

Title (en)
DIGITAL HOLOGRAPHIC MICROSCOPE WITH FLUID SYSTEMS

Title (de)
DIGITALES HOLOGRAFISCHES MIKROSKOP MIT FLUIDSYSTEME

Title (fr)
MICROSCOPE HOLOGRAPHIQUE NUMÉRIQUE AYANT DES SYSTÈMES DE FLUIDE

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Application
EP 13770649 A 20130920

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• EP 13770649 A 20130920

Abstract (en)
[origin: WO2014044823A1] The current invention concerns a fluid microscope system for analyzing and/or monitoring the contents of one or more fluid-based reactors or canalizations such as bio-reactors, micro-reactors, brewing reactors, water supply systems or sewer systems, comprising a digital holographic microscope (DHM) capable of obtaining phase information of a fluid sample and comprising illumination means and one or more fluidic systems connected to said reactors and to said DHM, capable of guiding fluid from said reactors to said DHM, whereby at least one fluidic system comprises one or more tubes which may come in direct contact with fluid from said reactor, characterized in that at least one tube comprises a part which is at least partially transparent for the illumination means of said DHM for obtaining holographic information of said fluid sample. The current invention also concerns a tube and a fluidic system for such a fluid microscope.

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Citation (examination)
US 2008242556 A1 20081002 - CAO HAN [US], et al

Cited by
WO2021094536A1

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